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OM nucleic - nucleic search, using sw model

Run on: July 2, 2002, 05:57:01 ; Search time 415.2 Seconds

(without alignments)
2607.194 Million cell updates/sec

Title: US-09-303-518D-653

Perfect score: 4407

Sequence: 1 atgaatacaacgacgaacg.....aattagctaccgtgtaa 4407

Scoring table:

IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 38533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :

Issued_Patents_NA:*
1: /cgn2_6/prodata/1/lna/5A.COMB.seq:*
2: /cgn2_6/prodata/1/lna/5B.COMB.seq:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1297.8	29.4	4319	US-08-296-791-1	Sequence 1, Appli
2	1297.8	29.4	4319	US-08-296-791-1	Sequence 1, Appli
3	188.8	4.3	4899	US-08-210-535-5	Sequence 5, Appli
4	188.8	4.3	4899	US-08-210-535-5	Sequence 5, Appli
5	63.8	1.4	7218	US-08-232-463-14	Sequence 14, Appli
6	43.2	1.0	579	US-09-103-840A-1	Sequence 1, Appli
7	42.8	1.0	579	US-08-737-524B-17	Sequence 17, Appli
8	42.8	1.0	579	US-08-419-075-3	Sequence 3, Appli
9	42.8	1.0	639	US-08-737-524B-12	Sequence 12, Appli
10	42.8	1.0	639	US-08-419-075-2	Sequence 2, Appli
11	42.8	1.0	647	US-08-419-075-20	Sequence 20, Appli
12	42.8	1.0	653	US-08-419-075-18	Sequence 18, Appli
13	42.8	1.0	2123	US-08-737-524B-9	Sequence 9, Appli
14	42.8	1.0	2123	US-08-419-075-1	Sequence 1, Appli
15	41.4	0.9	3489	US-08-728-323A-1	Sequence 1, Appli
16	41.4	0.9	32207	US-08-770-379-20	Sequence 20, Appli
17	41.4	0.9	32207	US-08-757-669A-73	Sequence 73, Appli
18	41.4	0.9	32207	US-09-230-371A-20	Sequence 20, Appli
19	40.8	0.9	400	US-09-056-556-179	Sequence 179, Appli
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21	40.4	0.9	3211	US-09-574-959A-8	Sequence 8, Appli
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23	40.4	0.9	3901	US-08-574-959A-6	Sequence 6, Appli
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100	35.6	0.8	947	US-08-474-177-36	Sequence 36, Appli

ALIGNMENTS

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RESULT 1
US-08-296-791-1
; Sequence 1, Application US/08296791
; Patent No. 6245337
GENERAL INFORMATION:
APPLICANT: St. Geme III, Joseph W.
APPLICANT: Falkow, Stanley
TITLE OF INVENTION: Haemophilus Adherence and Penetration
TITLE OF INVENTION: Protein
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flehr, Hohnbach, Test, Albritton & Herbert
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: United States
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/296,791
FILING DATE: 25-AUG-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Treacartin, Richard F.
REGISTRATION NUMBER: 31,801
REFERENCE/DOCKET NUMBER: A-59941/RT/RMS
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4319 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: both
FEATURE:
NAME/KEY: CDS
LOCATION: 60..4241
US-08-296-791-1
Query Match 29.4%; Score 1297.8; DB 4; Length 4319;
Best Local Similarity 59.1%; Pred. No. 0;
Matches 2571; Conservative 0; Mismatches 1567; Indels 213; Gaps 12;

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Q	4077	CCGATACGAAACGCTCAATATCGCAACCCCGGCTTCGATTCACACGCTACGCGGG	4136
D	3914	TCAATCTGAGCAATGTGAGTGAAGAAACGCTACCTCTGATTTAATCCCTAATATGCTGG	3973
Q	4137	CATTAGGCAAGATATCATCTCAACACCGGCGCAACATTCATCAACGCTATTTAG	4166
D	3974	CATTGAGTTGATATATCATTTACTCTCGACAGATATATCACGTTAAGCCTTATTTCTT	4033
Q	4197	CCGTCTCTAATACGATGCGCTTCGCGGCAAGTCCGACGCGCGTCAATACCGCGTAT	4256
D	4034	CGTAAATTAATGTTGATATTTTCAAAACGCTTAACGTACAAACACGAGTAAATCTCACGTTGT	4093
Q	4257	GGCGCAGGATTCGCGCAAAACCGCGAGTGCAGATGGGCGTAAACGCGCAATCAAG	4316
D	4094	GCAACACACCTTTGGACGTTATTGGCAAAAGAAAGTGGGATTTAAAGCGAGAAATTTTACA	4153
Q	4317	TTTCAAGCTGTCCCTCCACGCTGCGCGCGCAAGGGCCGCAATTGGAAGCGACGACAG	4376
D	4154	TTTCCAAATTTTCCGCTTTTATCTCAAAATCTCAAGGTTACAACTCGGCAAAACGCAAAA	4213
Q	4377	CGCGGCGATCAATGATGGCTACCGCTGGTAA 4407	
D	4214	TGTGGCGGTAAATTTGGGCTATATGTTGGTAA 4244	

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1 OPERATING SYSTEM: PC-DOS/MS-DOS
2
3 SOFTWARE: PatentIn Release #1.0, Version #1.25
4
5 CURRENT APPLICATION DATA:
6
7 APPLICATION NUMBER: PCT/US95/10661A
8
9 FILING DATE: 16-AUG-1995
10
11 CLASSIFICATION:
12
13 PRIOR APPLICATION DATA:
14
15 APPLICATION NUMBER: US 08/296,791
16
17 FILING DATE: 25-AUG-1994
18
19 CLASSIFICATION:
20
21 ATTORNEY/AGENT INFORMATION:
22
23 NAME: Treccartin, Richard F.
24
25 REGISTRATION NUMBER: 31,801
26
27 REFERENCE/DOCKET NUMBER: FP-59941/RFT
28
29 TELECOMMUNICATION INFORMATION:
30
31 TELEPHONE: (415) 781-1989
32
33 TELEFAX: (415) 398-3249
34
35 TELEX: 910 277299
36
37 INFORMATION FOR SEQ ID NO: 1:
38
39 SEQUENCE CHARACTERISTICS:
40
41 LENGTH: 4319 base pairs
42
43 TYPE: nucleic acid
44
45 STRANDEDNESS: double
46
47 TOPOLOGY: both
48
49 FEATURE:
50
51 NAME/KEY: CDS
52
53 LOCATION: 60..4241
54
55 PCT-US95-10661A-1

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Query Match:	29.48%	Score 1297.8;	DB 5;	Length 4319;
Best Local Similarity	59.18%	Pred. No. 0;	Mismatches 1567;	Indels 213;
Matches 2571;	Conservative	0;	Gaps 12.	
Qy 78	ttacttagccatatagctgctgcgttcggcattctgcgcccaagcccgggcgggaacactta	137		
Dy 86	TTTTTTAAACCGTTCGATTTTCATTAGGGATAGTATCCGAACGCGGTGGTGCACATT	145		
Qy 138	tttcgcgcatacttaaccttaactactactacgcgactttgcccgaataaagcgaagtgcagt	197		
Dy 146	TTTTGGGATTGATTACCAATATTATCGGATTTTCCAGATATAAAGGAAGTTCCAGT	205		
Qy 198	cggggcgaagaatattgaagtttcaacaacaaagggagttgttcggcaacatcgatagc	257		
Dy 206	TGGGGCTCAAAATATTAAAGTTATTAAACAACAAGGCAATTACTTGGCATCATCATTAG	265		
Qy 258	gaaagcccgagatgattgatttcttcgtgqatcgcgttaacggcgatggcgcgcatggcg	317		
Dy 266	AAAAAGCCCCGATGATTGATTTTTCGTAGTGCACGTAAACGCGCTGGCACCTTTGGTGA	325		
Qy 318	cgatcaatattgttagcgcttgacataaaggcgctataacatatgttattgttgicg	377		
Dy 326	AAATCATATATTGTGAGCGTGGCACTATACGTAGATATACAGATTTTATTTTGGTGC	385		
Qy 378	ggaagggaagcaatcccgatcagcacccgcttcttccataccaatltgaaagaataatta	437		
Dy 386	AGAGGGAAACAACCCCGATCAACATCGTTTAACTATTAAAGTTGTAAAGAAATAACTA	445		
Qy 438	taaaagcagggactaaegcgccatcccttaatgycggcgatatacatatcgcgcgtttgacaa	497		
Dy 446	CAAAAAAG--ATATATTACATCCCTTATAGAGACGATTCATCCATATCCAGGATTAACTA	502		
Qy 498	attgtccacagatagcgaagacctgttgagatgacacagttatcatatgtatgtggaatacgc	557		
Dy 503	ATTTCGTTACGAAGCGGCTCCATTTGATATATGACTTTCCAAATATGATAGCGACTTATATTC	562		
Qy 558	tgaattaaataaataacctgatacgtgttcgaatcggagcaggcggacaatatgtgcygic	617		
Dy 563	AGATPAGAACAAATATCCGAAACGHTGTCTGATCGCGCTCTGGAAGGCACTTTTGGGANA	622		
Qy 618	tgatagaagacgaaccacaataacccgcgaaagtatcatatcatattgcaagcgcatatccctg	677		
Dy 623	TGATCAAGCAAAAGG-----GACCAAGTTGCGCGTCCATATCATTTA	664		

QY	1749	cttgatagagaaaaagaattgctccataacagcggttggttttggcgagaaagttgcaacca	1808
Db	1724	ACTTGATTACGAAAAAGAAATTTGCTTACACAGGTTGGTTGGCCAAACAGTATAAAATA	1783
QY	1809	aacgaacggcgcgctcaatctgaattaccacaacgggaagaagcggatcgcaattactgct	1868
Db	1784	ACACAATGGCGAATTAAACCTTATTATTAACCAACCAACAGATGCTGATTGTGTACT	1843
QY	1869	ttccggcggaacaatttaaagcgcaatctacgcgaacaaacggcgaactgttttcag	1928
Db	1844	TTCCAGGTGGTACAAATTTAAAGCGCATTTTCCAAACAAAAGGTAAACATTATTTTCAG	1903
QY	1929	cggagaaacggacacgcgcctaccataattagaagcgggtggtcaaaatlygaag	1988
Db	1904	CGGTAGACCCACACCCGACGCCCTTACATATTTAAATTAACGTTGGTCAGAAATGGAAG	1963
QY	1989	tatcccaagaagaaatcgtytlyggacaacagatlygatcgacgcgcacattlaagcga	2048
Db	1964	TATACCCAAAGGCGAAATTTGTGGGATCATCAGATTGGATTCACACCGTACATTAAAGCTGA	2023
QY	2049	aaacttccatattcagggcggaagcagtggtttcccgcaatftgcgaacgtggagag	2108
Db	2024	AAACTTCCAAATTAAGCGCGAAGTCCGATGGTTCGCATATGTTTTCATATTGAGGG	2083
QY	2109	cgattgcatltaagcaatcacgcgcccaagcagitttcgtytgcgcacgcataaagca	2168
Db	2084	AAATTGGACAGTGCAGCAATATATGCAAAATGCACATTTGGTGTGTGGCAATTCACAAA	2143
QY	2169	cacaactlytaacgcttgcgactygaacgggtctgcacaagtlytaccgaaaaacccat	2228
Db	2144	TACCATTTGGACGGCTTCACATTTGGACAGAGATTAAAGCATTTGTCCAAAAGTGATTTAAC	2203
QY	2229	cgaagataaagtaagtgtcttcattctatlygaacggacgcacagaagcaatgccaactgc	2288
Db	2204	CGATACAAAAATTTATTTATTTCTATACCAAAAACACAAATCAATGGCTCTATTAATTAC	2263
QY	2289	cgatcacgctcatattaatctcaacagagacttgcacactcaacggcnaactctagtcaag	2348
Db	2264	TGATATATGCAACGGCGCAATGTTAAAGGTTAGCAAAACTTAATGGCAATGTCACATTAAC	2323
QY	2349	cggagacaagcactatcggtttagcgcaacgcacccaacaaacggcaactcgaactcgt	2408
Db	2324	AAATTCACGCCA-----	2325
QY	2409	gggcgaatgcccaagcaacattataagccacattaaagcgaacacatcgcttcga	2468
Db	2336	-----	2335
QY	2469	caatgcttcatttaatctaaagcaacaacgcgctacaacacggcagctcgaacgtttccga	2528
Db	2336	-----ATTTCATTAAAGCAACAATGCGACCCCAAAATGGCAATATTGCACTTTCCGA	2386
QY	2529	caacgctaagcaacgtaagcatctccgaactcgaacgcgaatgtctcccttagccgataa	2588
Db	2387	CAATTCAACTCAACGGGTGATATGCAAACTTGAACGGTATATGTGCAATTTAACGCAATTC	2446
QY	2589	ggcagatltccatttlyaaaaacgcgcgtttlacgcgnaaaatcacgcgcgcgaagatac	2648
Db	2447	AGCTCAATTTTCTTTTAAAAAAGCCATTTTTCGCCACAAATTCAGGGAGACAAAAGGCAC	2506
QY	2649	ggccttaacttaagaacacggaatlygaacgcgcgcgttcggcgaacgnaattgaacatt	2708
Db	2507	AACGTGACGTTGGAANAATGCGACTTGGACAAATGCTTAGCGATACTACATTTCACAAATTT	2566
QY	2709	aaacttlyacaacgcacacattacactcaacttccgcctatcgacaacgatcgcgcgcgc	2768
Db	2567	AACGTTAATATACAGTACGATCAGTAACTTAATTCAGCTATTATCA-----	2609
QY	2769	gcaaacgcgcgctgcgcagatgcgcgcgcgcgcgttcgcgcgcgttccctataatcgt	2828
Db	2610	-----GCTAGCTCAACAATATAGCTCAG-----TCCGCGCTCTTTAGACAGGA	2633
QY	2829	tacgcgcgaacttcgcgcgaatccgctttcaacacgcgtlygaacttaagaagcaaatlyaa	2888

Db 2554 AACACGCCAATCGGCGAGAACATCGTTCAACACATGACATGAATGTAATGAG 2713
Qy 2889 cggcgaaggaacatcgcgttatatgctggaacatcctggtacgcgcgcgaatgaa 2948
Db 2714 TGGGCAAGGCGCATTTCAATTTACTTATTTGCTATTAAGGACATTAATTA 2773
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Db 2774 ATATCAATGACGCTGAGGCGCATTTACATATATATCTGTCGACACGACGACAAAGC 2833
Qy 3009 cgtatgctcgagcaatctgagtgatggaagaaagaaacacacacgcgtcgcga 3068
Db 2834 CGAAACCCCTGACATTTAACTTTGTTGAACCAAGATTAATCAACCGTTATCAATGA 2893
Qy 3069 tctaatcaccctgcgaacacacacacacacacacacacacacacacacacacac 3128
Db 2894 GCTCAATTTACTTTAATAAATGACACGCTGATGACGCTGATGATGATGATGATG 2953
Qy 3129 cgcgaagacgcgcgtatccgcctgataatccgcgtacgaacacacacacacac 3188
Db 2954 GAAACATGATGCGGCAATTTCCGCTTGCTAATCCCAATTAAGACGAGATTTGACAATGA 3013
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Db 3014 TTATGTAAGACGACGACGACGACGACGACGACGACGACGACGACGACGACGAC 3073
Qy 3249 caaacaacagcggaagaaacacacacacacacacacacacacacacacacacac 3308
Db 3074 TAAACACAAACAGGTGACGCAAAAGTGGCTCAAGACGACGACGACGACGACGAC 3133
Qy 3309 caatgcac 3368
Db 3134 TGATACCTGCTGATCAACGCTGTTAAACGCTTGAAGCCCAACGCTGAATGAC 3193
Qy 3369 tgcgcgattatgcagcggaagaaagaaacacacacacacacacacacacacacac 3428
Db 3194 TGCTGAACACAAAGTAAGGCAAAACAAAGGCTGCTCAAAAGGCAAGCTGTT 3253
Qy 3429 cttgcgcgaac 3488
Db 3254 TTCTGATCCCTGCTGATCAACGCTGTTGCAATTGAAGCGGCACTTGAGTTTGA 3313
Qy 3489 cgc 3546
Db 3314 TGCCTCACACGCAATCGAAAAAGATGCTAGCTCAAGACGACGACGACGACGAC 3373
Qy 3547 -----gacctatagccgttatgcaatagcgcgttgatggaatttcgcgcgcgc 3599
Db 3374 ACAAAAGACTTGATCAGCGCTTATTCAAATAGTGCCTTATCAGATTTATGCAACAGT 3433
Qy 3600 caacagcgtttcgcgcgaacacacacacacacacacacacacacacacacacacac 3659
Db 3434 AATATGATGCTTTGCTGATGATGATGATGATGATGATGATGATGATGATGATG 3493
Qy 3660 cgcgcgttggaac 3719
Db 3494 TGCCTGCTGACAAATATGACACAGATTAAGACGCTATGATGATGATGATGATG 3553
Qy 3720 ctacccgcacac-----aacgcacacacacacacacacacacacacacacacacacac 3776
Db 3554 TTATCAGCAGCAAAACACACTTACGTTAAATTTGGGCTCAAAAGCCTTATGCTAATGG 3613
Qy 3777 ggc 3836
Db 3614 ACGAATTTGGGCGAGTTTCTGCGATAGCGCTTCAATATACCTTGAATGACAGTTAA 3673
Qy 3837 caactcgcaacgc 3896
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Db 3854 GCAATTTGGGCTTACGCTTATTTGGAGTTATATGCTATTTATTTATGACGTAATTA 3913
Qy 4077 ccgatacgaac 4136
Db 3914 TCAATCTGAGGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 3973
Qy 4137 catlaagcagttatcattatcattatcattatcattatcattatcattatcattat 4196
Db 3974 CATTGAGTTGATTTATATATTTACTTCCACAGATTAATATCAGCGTTAAGCCTTATTTCTT 4033
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Qy 4257 ggc 4316
Db 4094 GCAACACACATTTGACGCTTATTTGCAAAAGAGTGGGATTAAGCAGAAATTTTACA 4153
Qy 4317 ttacgcgttcctccac 4376
Db 4154 TTTCATTTTCCGTTTATCTCAAAATCTCAAAAGTTTCACACTCGCAAAACGACAAA 4213
Qy 4377 cgc 4407
Db 4214 TGTGGCGCTGAATTTGGCTATGCTGTTA 4244

RESULT 3
US-08-210-535-5
Sequence 5, Application US/08210535
Patent No. 5965424
GENERAL INFORMATION:
APPLICANT: Ambrosius, Dorothea
APPLICANT: Dony, Carola
APPLICANT: Rudolph, Rainer
TITLE OF INVENTION: Recombinant Iga Protease
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/210,535
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/820,701
FILING DATE: 10-Jan-1992
APPLICATION NUMBER: DE 41 00 704.2
FILING DATE: 11-Jan-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 41 40 699.0
FILING DATE: 10-Dec-1991
ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 5965424man D.
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: HUBR 1006

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 688-9200

TELEFAX: (212) 838-3864

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 4899 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA

US-08-210-535-5

Query Match

Best Local Similarity 4.3%; Score 188.8; DB 2; Length 4899;

Matches 345; Conservative 0; Mismatches 212; Indels 9; Gaps 2;

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QY 1167 gaataatggagaaataatttccttattgacaaagaaagatgtaacttaccag 1226
DB 1192 GAAACAGGACAAATGTTACTTTGAAGACAAACGCA-----CTTGGTATTGAATCA 1245
QY 1227 caacataacaaagcgcggttggatatttgaggaatatttcggtcgcctaa 1286
DB 1246 AATCATCAACCAAGCGCGGCGGCGCTGTTTCAAGGCGATTACACACTCAAGCGCGC 1305
QY 1287 aaacaacgaa---acgtggcaagcgcggtcgtcatatcagtgatgagtgacgttac 1343
DB 1306 AATTAATGACATCACTTGTTAGTGGCGGATTGATGTCGCGACGCAAAAAAGTCTGT 1365
QY 1344 ttggaagatgaacggtgcaacagcgctgtccaaatcggaagcgacgtgct 1403
DB 1366 TTGGCAAGTCAAAATCCGAATGCGACAGATTGGCAAAAATCGGCAAAAGCACTTTGA 1425
QY 1404 gttcgaagcaaaagggaacaaagctggtcagcggtggaggaaggttaactctt 1463
DB 1426 AATTAACGCGACAGCGCTTAAACCAAGGCAATTAAGTGGCGACGATCGGTTATCTT 1485
QY 1464 agatcagcagcggaacatcaaggaacaaacagcctttagtgaatcggttgcag 1523
DB 1486 GAATCAAAAAGCGGATGCCAACAANAAGTTCAAGCTTCTCCAGATGCGCATTTGTCA 1545
QY 1524 cggcaggggagcggtgaactgaatcggtatcagttcaaccgcgacaactcatt 1583
DB 1546 CGGACGCGGATGATGTTAATTAATGTTCAATTCAGATTAAATCCGATTAATCTATAT 1605
QY 1584 cggcttcgcgcggaacttggattgaaacgggacatcgcttcgttcacgcgactca 1643
DB 1606 CGGTTCCGTCGCGGCTTTGGATGCGCAATGCAATGACTTTTGAACATCCG 1665
QY 1644 aaataccgatgaagggcgatgttcaacacaaatcaagacaagaatccagttac 1703
DB 1666 CAACGTGATGAAGGCGCGGCTTGTCAACACACAGACGACGCTCCACATAC 1725
QY 1704 catcacggcaataaagatatlacta 1729
DB 1726 ACTAACGGTAATCTTTAATTACCA 1751
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RESULT 4

5268270-1

PATENT NO. 5268270

APPLICANT: Meyer, Thomas F.; Halter, Roman; Pohlner, Johannes

TITLE OF INVENTION: PROCESS FOR PRODUCING PROTEINS USING GRAM

NEGATIVE HOST CELLS

NUMBER OF SEQUENCES: 6

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/171,872

FILING DATE: 01-JUL-1987

SEQ ID NO: 1:

SEQ LENGTH: 4899

5268270-1

Query Match

Best Local Similarity 4.3%; Score 188.8; DB 6; Length 4899;

Matches 345; Conservative 0; Mismatches 212; Indels 9; Gaps 2;

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QY 1167 gaataatggagaaataatttccttattgacaaagaaagatgtaacttaccag 1226
DB 1192 GAAACAGGACAAATGTTACTTTGAAGACAAACGCA-----CTTGGTATTGAATCA 1245
QY 1227 caacataacaaagcgcggttggatatttgaggaatatttcggtcgcctaa 1286
DB 1246 AATCATCAACCAAGCGCGGCGGCGCTGTTTCAAGGCGATTACACACTCAAGCGCGC 1305
QY 1287 aaacaacgaa---acgtggcaagcgcggtcgtcatatcagtgatgagtgacgttac 1343
DB 1306 AATTAATGACATCACTTGTTAGTGGCGGATTGATGTCGCGACGCAAAAAAGTCTGT 1365
QY 1344 ttggaagatgaacggtgcaacagcgctgtccaaatcggaagcgacgtgct 1403
DB 1366 TTGGCAAGTCAAAATCCGAATGCGACAGATTGGCAAAAATCGGCAAAAGCACTTTGA 1425
QY 1404 gttcgaagcaaaagggaacaaagctggtcagcggtggaggaaggttaactctt 1463
DB 1426 AATTAACGCGACAGCGCTTAAACCAAGGCAATTAAGTGGCGACGATCGGTTATCTT 1485
QY 1464 agatcagcagcggaacatcaaggaacaaacagcctttagtgaatcggttgcag 1523
DB 1486 GAATCAAAAAGCGGATGCCAACAANAAGTTCAAGCTTCTCCAGATGCGCATTTGTCA 1545
QY 1524 cggcaggggagcggtgaactgaatcggtatcagttcaaccgcgacaactcatt 1583
DB 1546 CGGACGCGGATGATGTTAATTAATGTTCAATTCAGATTAAATCCGATTAATCTATAT 1605
QY 1584 cggcttcgcgcggaacttggattgaaacgggacatcgcttcgttcacgcgactca 1643
DB 1606 CGGTTCCGTCGCGGCTTTGGATGCGCAATGCAATGACTTTTGAACATCCG 1665
QY 1644 aaataccgatgaagggcgatgttcaacacaaatcaagacaagaatccagttac 1703
DB 1666 CAACGTGATGAAGGCGCGGCTTGTCAACACACAGACGACGCTCCACATAC 1725
QY 1704 catcacggcaataaagatatlacta 1729
DB 1726 ACTAACGGTAATCTTTAATTACCA 1751
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RESULT 5

US-08-232-463-14/C

Sequence 14, Application US/08232463

PATENT NO. 5670367

GENERAL INFORMATION:

APPLICANT: DORNER, F.

APPLICANT: SCHEFFLINGER, F.

APPLICANT: FALKNER, F.G.

TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS

NUMBER OF SEQUENCES: 52

CORRESPONDENCE ADDRESS:

ADDRESSEE: Foley & Lardner

STREET: 1800 Diagonal Road, Suite 500

CITY: Alexandria

STATE: VA

COUNTRY: USA

ZIP: 22313-0299

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/232,463

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/935,313

FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)863-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: pTZgpt-Fls
US-08-232-463-14

Query Match 1.4%; Score 63.8; DB 1; Length 7218;
Best Local Similarity 4.9%; Pred. No. 7.1e-08;
Matches 20; Conservative 229; Mismatches 156; Indels 0; Gaps 0;

QY 3084 gcaaaagacagcgtcgccgagcgtatcgcttaccgtatccgcgaagagcgga 3143
DB 1438 GTACRRR 1379
QY 3144 gtccgctgcataatccgtcaagaagagccttcgacaactcgcaagcgag 3203
DB 1378 RR 1319
QY 3204 agaaacagagcgccgttcgacgcaaaacagcgaacttcgcgcaaaacagcgga 3263
DB 1318 RR 1259
QY 3264 aaaagacagcgaagccttcgacgctgatcgccgagcgccgacatccaccgaaa 3323
DB 1258 RR 1199
QY 3324 ggcagaagtggtcgcaacgcgcgcgacgagcgagggaatcgcgcatatgca 3383
DB 1198 RR 1139
QY 3384 ggcagaggaagaaagaaacggtgacgagcgagataagacacgcgcttcgcaagcg 3443
DB 1138 RR 1079
QY 3444 cgaagcggaacccgcgcggtaccacgcgctcccccgcgcgcg 3488
DB 1078 RRRRRRRRRRRRRATCGCAAGCTCCCTCGACCTGCAAGCAAGCTCG 1034

RESULT 6
US-09-103-840A-1/C
Sequence 1, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
TITLE OF INVENTION: TUBERCULOSIS
FILE REFERENCE: 24366-2007.00
CURRENT APPLICATION NUMBER: US/09/103, 840A
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 4411529

TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 1.0%; Score 43.2; DB 4; Length 4411529;
Best Local Similarity 50.4%; Pred. No. 3.3;
Matches 124; Conservative 0; Mismatches 122; Indels 0; Gaps 0;

QY 3764 accctgcagagcgccgctgcgacatcctgtttcgcaaacacgagcaggaacaccttcg 3823
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QY 3824 acgagcgatcgccacactcgccagcgcttcgccaagcgttcgaggaatacagca 3883
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QY 3884 tcgcaagtggtcacatcgccatcagcgagcgagcgaggttttagtagcggaagccttcag 3943
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QY 3944 acgagcatcagaggaacatcgcgcgcgcgctgctgcatcaggaatcaggaataacc 4003
DB 2423311 TCGGAAGTGTGTGTCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 2423252
QY 4004 ggcgcag 4009
DB 2423251 GCGCGG 2423246

RESULT 7
US-08-737-524B-17/C
Sequence 12, Application US/08737524B
Patent No. 5912414
GENERAL INFORMATION:
APPLICANT: CARL SAVERIO FALCO
APPLICANT: DOMINICK ANTHONY GUIDA, JR.
APPLICANT: MARY ELIZABETH HARNETT LOCKE
TITLE OF INVENTION: NUCLEIC ACID FRAGMENTS, CHIMERIC
TITLE OF INVENTION: GENES AND METHODS FOR INCREASING
TITLE OF INVENTION: THE METHIONINE CONTENT OF THE SEEDS
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: E. I. DU PONT DE NEMOURS AND COMPANY
STREET: 1007 MARKET STREET
CITY: WILMINGTON
STATE: DELAWARE
COUNTRY: UNITED STATES OF AMERICA
ZIP: 19898
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.50 INCH
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: MICROSOFT WINDOWS 95
SOFTWARE: MICROSOFT WORD FOR WINDOWS 95 (7.0)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/737, 524B
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: LYNN M. CHRISTENBURY
REGISTRATION NUMBER: 30,971
REFERENCE/DOCKET NUMBER: BB-1059-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 302-992-5481
TELEFAX: 302-773-0164
TELEX: 835420
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 579 base pairs
TYPE: nucleic acid
STRANDEDNESS: single


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;
; TOPOLOGY: linear
;
; MOLECULE TYPE: DNA (genomic)
;
; FEATURE:
;
; NAME/KEY: CDS
;
; LOCATION: 3..575
;
US-08-737-524B-17

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Query Match	1.0%;	Score 42.8;	DB 2;	Length 579;
Best Local Similarity	47.7%;	Pred. No. 0.018;		
Matches 125; Conservative	0;	Mismatches 137;	Indels 0;	Gaps 0

QY 3733 accgacctggccaacatcgtlatgcagaanaaaccttcggcagggcgcgctcgcaactcg 3792
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 322 ATGTCATTGGTGAATTCATCACTGCCTTGCCATCATCATTGCCGGCATCATACTACACCATGCTC 263
||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 3793 ttctgcacaaccggaaccggaanaacaccttcagacagcatcgcaactcggcagcgtt 3852
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 262 ATTGGTTACATCATTAAGTCGGCACCATCATTCGATTCGATCATCTCGGCATCGGCATCATC 203
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 3853 gccccagcgtagcgtttcttcggcaatacggcatcgcgaagtgcgaattcgaatcggcatcaggcg 3912
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Db 202 GTATATCGGTGGCATCATACCCGGCATCATCATTTGGCATTTGGCACTGTGTGAAGCGGTAG 143
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 3913 ggcgcgagtttatgatcgcgcgacagccttitaagcgcgcatcaagcagaatccgcgccgc 3972
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Db 142 GCCAACAGTGTGCGACATCAAGGTCGCCACAGCTAAACAATTGGCAACCCCCTGTTGC 83
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 3973 gtcgctgattaaagcattcaag 3994
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Db 82 TTTCATGCAAGTACTGCATCCAAAG 61
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US-08119-075-3/c
: Sequence 3, Application US/08419075
: Patent No. 593599
: GENERAL INFORMATION:
: APPLICANT: Saverio C. Falco
: APPLICANT: Chok-Fun Chui
: APPLICANT: Janet A. Rice
: TITLE OF INVENTION: A High Sulfur Seed
: TITLE OF INVENTION: Protein Gene and
: TITLE OF INVENTION: Method for Increasing
: TITLE OF INVENTION: the Sulfur Amino Acid
: TITLE OF INVENTION: Content of Plants
: NUMBER OF SEQUENCES: 28
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: E. I. du Pont de Nemours
: ADDRESSEE: and Company
: STREET: 1007 Market Street
: CITY: Wilmington
: STATE: Delaware
: COUNTRY: U.S.A.
: ZIP: 19898
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette, 3.50 inch,1.0MB
: COMPUTER: Macintosh
: OPERATING SYSTEM: Macintosh System, 6.0
: SOFTWARE: Microsoft Word, 4.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/419, 075
: FILING DATE:
: CLASSIFICATION: 800
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/08/098, 371
: FILING DATE:
: APPLICATION NUMBER: 07/656,687
: FILING DATE: 14-FEB-1991
: ATTORNEY/AGENT INFORMATION:
: NAME: Linda Axamethy Floyd
: REGISTRATION NUMBER: 33,692
: REFERENCE/DOCKET NUMBER: BB-1027-A

TELECOMMUNICATION INFORMATION:
TELEPHONE: (302) 992-4929
TELEFAX: (302) 892-7949
TELEX: 835420
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 579 nucleotides
TYPE: Nucleic Acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: in vitro mutated genomic
MOLECULE TYPE: DNA
PUBLICATION INFORMATION: unpublished
PUBLICATION INFORMATION: sequence
US-08-419-075-3

Query Match	1.0%;	Score 42.8;	DB 2;	length 579;
Best Local Similarity	47.7%;	Pred. No. 0.018;		
Matches 125; Conservative	0;	Mismatches 137;	Indels 0;	Gaps 0;

QY	3153	accgaactcgcccaaaatcggatgacgaaaacactcgcagcgggcgccgctgcgactctg	3792
Db	322	ATCCCTCATTGGTAAATCAATGCTTGGCATCATCATGCGGGGCATATATTAACCATCTC	263
QY	3793	tttcgcacaacccgagaccggaanaacacctcgcagcagcagatcgcgaactcgcgacggtt	3852
Db	262	ATTGGTAGCATCATATAGCGGCACCATCATCATGATGATGATCATCTGGGATCGGCATCATC	203
QY	3853	gcccaaggatccgcttttcgcggaatacgcgcatcgcaggttcgcaatgcgcatcgcg	3912
Db	202	GTCATCGGTGGCATCATACCCGSCATCATTCATTTGGCATCTGGACATCTGAAAGCGGTAG	143
QY	3913	ggcgcgaggttttgcgtgagcgagccttcaagacgcgcatcagaagcaaaatccgcgcgcg	3972
Db	142	GCCAAACAGTTGCTGCACATCAAGGGCTCGGCCACAGCTAACAAATTGGCAACCCCTGTTTC	83
QY	3973	gtactgcattacgagcatcagg	3994
Db	82	TTTCATGCAAGTACTGCATCCAG	61

RESULT 5
US-08-737-524B-12/c
Sequence 12, Application US/08737524B
Patent No. 5912414
GENERAL INFORMATION:
APPLICANT: CARL SAVERIO FALCO
APPLICANT: DOMINICK ANTHONY GUIDA, JR.
APPLICANT: MARY ELIZABETH HARNETT LOCKE
TITLE OF INVENTION: NICOTIC ACID FRAGMENTS, CHIMERIC
TITLE OF INVENTION: GENES AND METHODS FOR INCREASING
TITLE OF INVENTION: THE METHANONE CONTENT OF THE SEEDS
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: E. I. DU PONT DE NEMOURS AND COMPANY
STREET: 1007 MARKET STREET
CITY: WILMINGTON
STATE: DELAWARE
COUNTRY: UNITED STATES OF AMERICA
ZIP: 19898
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.50 INCH
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: MICROSOFT WINDOWS 95
SOFTWARE: MICROSOFT WORD FOR WINDOWS 95 (7.0)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/737,524B
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: LYNN M. CHRISTENBURY

COUNTRY: U.S.A.
 ZIP: 19898
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 1.0MB
 COMPUTER: Macintosh
 OPERATING SYSTEM: Macintosh System, 6.0
 SOFTWARE: Microsoft Word, 4.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/419,075
 FILING DATE:
 CLASSIFICATION: 800
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/098,371
 FILING DATE:
 APPLICATION NUMBER: 07/656,687
 FILING DATE: 14-FEB-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Linda Axamethy Floyd
 REGISTRATION NUMBER: 33,692
 REFERENCE/DOCKET NUMBER: BB-1027-A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (302) 992-4929
 TELEFAX: (302) 892-7949
 TELEX: 835420
 INFORMATION FOR SEQ. ID NO: 20:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 647 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: Nucleic Acid (genomic)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 2..646
 US-08-419-075-20

Query Match 1.0%; Score 42.8; DB 2; Length 647;
 Best Local Similarity 47.7%; Pred. No. 0.019;
 Matches 125; Conservative 0; Mismatches 137; Indels 0; Gaps 0;

QY 3733 accgaactcgccaaatcgtatgacagaaaacctcgagcgcgctggcattcctg 3792
 Db 390 ATCGTATGTTGGTAAATCATGCTTGGCATCATCATCGGGCATCATCTAGCATCGTC 331
 QY 3793 ttctgcacaacccggaacaccccttcgacgacgagcgcgcacccgcgcgctt 3852
 Db 330 ATTGGTGACATCATATCTCGGCACCATCATCGATGCGCATCTCGGCATCGCATCATC 271
 QY 3853 gccacggttcgcttcttcgagcaatacggcatcgaggttcgacatcgccatcgcg 3912
 Db 270 GTCATCGTGGGATCATACCCGCGCATCATCATGCGCATCTGGCATCTGGAAGCGGTGAG 211
 QY 3913 ggcgcgggttttagtagggcgagccttcaagacgcatcaagaggaataatcgccgcgc 3972
 Db 210 GCCAACAGTTGCTGACATCAGGGTGGCCACGCTAACAGTAGTGGCAACCCCTGTTGC 151
 QY 3973 gtgcgtacattacgcatcagg 3994
 Db 150 TTCATGCACTACTGATCCAG 129

RESULT 12
 US-08-419-075-18/c
 ; Sequence 18, Application US/08419075
 ; Patent No. 5939599
 ; GENERAL INFORMATION:
 ; APPLICANT: Saverio C. Falco
 ; APPLICANT: Chok-Fun Chui
 ; APPLICANT: Janet A. Rice
 ; TITLE OF INVENTION: A High Sulfur Seed
 ; TITLE OF INVENTION: Protein Gene and
 ; TITLE OF INVENTION: Method for Increasing

TITLE OF INVENTION: the Sulfur Amino Acid
 TITLE OF INVENTION: Content of Plants
 NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: E. I. du Pont de Nemours
 and Company
 STREET: 1007 Market Street
 CITY: Wilmington
 STATE: Delaware
 COUNTRY: U.S.A.
 ZIP: 19898
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 1.0MB
 COMPUTER: Macintosh
 OPERATING SYSTEM: Macintosh System, 6.0
 SOFTWARE: Microsoft Word, 4.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/419,075
 FILING DATE:
 CLASSIFICATION: 800
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/098,371
 FILING DATE:
 APPLICATION NUMBER: 07/656,687
 FILING DATE: 14-FEB-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Linda Axamethy Floyd
 REGISTRATION NUMBER: 33,692
 REFERENCE/DOCKET NUMBER: BB-1027-A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (302) 992-4929
 TELEFAX: (302) 892-7949
 TELEX: 835420
 INFORMATION FOR SEQ. ID NO: 18:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 653 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: Nucleic Acid (genomic)
 IMMEDIATE SOURCE:
 CLONE: pCC18
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 2..652
 US-08-419-075-18

Query Match 1.0%; Score 42.8; DB 2; Length 653;
 Best Local Similarity 47.7%; Pred. No. 0.019;
 Matches 125; Conservative 0; Mismatches 137; Indels 0; Gaps 0;

QY 3733 accgaactcgccaaatcgtatgacagaaaacctcgagcgcgctggcattcctg 3792
 Db 396 ATCGTATGTTGGTAAATCATGCTTGGCATCATCATCGGGCATCATCTAGCATCGTC 337
 QY 3793 ttctgcacaacccggaacaccccttcgacgacgagcgcgcacccgcgcgctt 3852
 Db 336 ATTGGTGACATCATATCTCGGCACCATCATCGATGCGCATCTCGGCATCGCATCATC 277
 QY 3853 gccacggttcgcttcttcgagcaatacggcatcgaggttcgacatcgccatcgcg 3912
 Db 276 GTCATCGTGGGATCATACCCGCGCATCATCATGCGCATCTGGCATCTGGAAGCGGTGAG 217
 QY 3913 ggcgcgggttttagtagggcgagccttcaagacgcatcaagaggaataatcgccgcgc 3972
 Db 216 GCCAACAGTTGCTGACATCAGGGTGGCCACGCTAACAGTAGTGGCAACCCCTGTTGC 157
 QY 3973 gtgcgtacattacgcatcagg 3994
 Db 156 TTCATGCACTACTGATCCAG 135


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QY 3227 caaaacaggcacaacttcgcccacaaacagcgagaaagacaacgcgcaagccttg 3286
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Db 20939 ACGAGAGAGATGACGAGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATG 20880
QY 3287 acgcgtcgtatggtcgccggtcgcaatgcccacgaaagcgagaaagtgttcgcaaccg 3346
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 20879 ACGAGAGAGATGACGAGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATG 20820
QY 3347 cccgagcagcgaggggaaatgcccgcattatgcaagcgaggaagaaagaaacggg 3406
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Db 20819 ACGAGAGAGAGATGACGAGAGAGATGACGAGAGATGACGAGAGATGACGAGATG 20760
QY 3407 tgcagcgataaagacacccgcttgcgcaaacagcgagcgagaaacccgcccgtcta 3466
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Db 20759 ACGAGAGAGATGACGAGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATG 20700
QY 3467 ccaacgcttcccccgcgcccgcgcccgcgagatttgcgcaaacgagccccaac 3526
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Db 20699 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20640
QY 3527 cgcaccccaacgcgagcgca-----cctgacgcgttgcgcaatagcggttgcg 3582
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Db 20639 ACGAGAGAGATGACGAGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATG 20580
QY 3583 gaatttcgcgcacgctcaacagcggttgcgctacaggaagaaatggaacgcggtgtt 3642
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 20579 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20520
QY 3643 gcccgaagcgcgcaagcgcttgcgcaagcgcaatccggaacccaactacggt 3702
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Db 20519 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20460
QY 3703 tcgcaagatttcgcgctacccgcaaacacgacgttgcgcaatcggtatgcagaa 3762
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Db 20459 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20400
QY 3763 aacctcgagcgagcggtcggtcgtatctgttgcgcaaacgagcggaacacgttc 3822
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Db 20399 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20340
QY 3823 gacgagcgtcgcgcaactgcgcaacgcttgcgcaacggttcggttcgcaatcggc 3882
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Db 20339 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20280
QY 3883 atcgcaaggttcgcaatcgcaatcgcaatcgcaatcgcaatcgcaatcgcaatcgca 3942
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Db 20279 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20220
QY 3943 gacgagcgtcgcgcaactgcgcaacgcttgcgcaacggttcggttcgcaatcggc 3975
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Db 20219 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20187

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RESULT 18
US-09-230-371A-20/c
; Sequence 20. Application US/09230371A
; Patent No. 6348586
; GENERAL INFORMATION:
; APPLICANT: Chang, Yuan
; APPLICANT: Bohenzky, Roy A
; APPLICANT: Russo, James J
; APPLICANT: Edelman, Isidore S
; APPLICANT: Moore, Patrick S
; TITLE OF INVENTION: UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS SEQUENCES AND
; FILE OF INVENTION: US/09-230-371A
; FILE REFERENCE: 45185-G-PCT-US
; CURRENT APPLICATION NUMBER: US/09/230,371A
; PRIOR FILING DATE: 1999-07-22
; PRIOR APPLICATION NUMBER: PCT/US97/13346
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patent Ver. 2.0

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; SEQ ID NO 20
; LENGTH: 32207
; TYPE: DNA
; ORGANISM: Kaposi's sarcoma-associated herpesvirus
US-09-230-371A-20

Query Match      0.9%; Score 41.4; DB 4; Length 32207;
Best Local Similarity 41.6%; Pred. No. 0.54;
Matches 338; Conservative 0; Mismatches 471; Indels 4; Gaps 1.

QY 3167 aagaacagagcttccgcaaacctgcgcaacgagcgagaaagcgccgcttcgagc 3226
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Db 20999 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20940
QY 3227 caaaacaggcacaacttcgcccacaaacagcgagaaagacaacgcgcaagccttg 3286
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Db 20939 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20880
QY 3287 acgcgtcgtatggtcgccggtcgcaatgcccacgaaagcgagaaagtgttcgcaaccg 3346
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 20879 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20820
QY 3347 cccgagcagcgaggggaaatgcccgcattatgcaagcgaggaagaaagaaacggg 3406
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 20819 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20760
QY 3407 tgcagcgataaagacacccgcttgcgcaaacagcgagcgagaaacccgcccgtcta 3466
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Db 20759 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20700
QY 3467 ccaacgcttcccccgcgcccgcgcccgcgagatttgcgcaaacgagccccaac 3526
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Db 20699 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20640
QY 3527 cgcaccccaacgcgagcgca-----cctgacgcgttgcgcaatagcggttgcg 3582
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Db 20639 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20580
QY 3583 gaatttcgcgcacgctcaacagcggttgcgctacaggaagaaatggaacgcggtgtt 3642
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 20579 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20520
QY 3643 gcccgaagcgcgcaagcgcttgcgcaagcgcaatccggaacccaactacggt 3702
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Db 20519 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20460
QY 3703 tcgcaagatttcgcgctacccgcaaacacgacgttgcgcaatcggtatgcagaa 3762
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 20459 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20400
QY 3763 aacctcgagcgagcggtcggtcgtatctgttgcgcaaacgagcggaacacgttc 3822
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 20399 ACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAGAGATGACGAG 20340
QY 3823 gacgagcgtcgcgcaactgcgcaacgcttgcgcaacggttcggttcgcaatcggc 3882
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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